

1/34/1 (Item 1 from file: 344)

4220745

PROCESS FOR PRÉPARING ARTIFICIAL DIASPORITE AND GAMMA-ALUMINA

Patent Assignee: CHINA PETRO CHEMICAL GROUP COR (CN)

Author (Inventor): QINGHE YANG (CN); DADONG LI (CN); YAHUA SHI (CN)

Number of Patents: 000

Patent Family:

| CC Number | Kind | Date |
|------------|------|------------------|
| CN 1250746 | A | 20000419 (Basic) |

Application Data:

| CC Number | Kind | Date |
|--------------|------|----------|
| *CN 98120384 | A | 19981013 |

Abstract: A prepn. method for quasi-thin empholite includes contacting of sodium meta-aluminate or sodium aluminate solution with gas containing carbon dioxide, forming gel with intermittent or continuous method, ageing the resulted aluminium hydroxide, separating out the solid product, washing and drying. For the terminal pH value and the process pH value during forming gel, it is controlled within the range of 6-9.5; the time for forming gel reaction or that for staying below 40 min, the temp. for forming gel reaction is 10-100 deg.C, and after the forming gel reaction is finished, the alkaline material is quickly added to make pH value raise to above 9.5 or solid-liquid separating and washing is quickly implemented.

IPC: C01F-007/02; C01F-007/14

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1/34/2 (Item 1 from file: 351)

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WPI Acc No: 2000-413201/200036

Preparing artificial diasporite and gamma-alumina - includes contacting sodium meta-aluminate or sodium aluminate solution with gas containing carbon dioxide, forming, aging resulting aluminium hydroxide

Patent Assignee: CHINA PETRO-CHEM CORP (CHPE-N)

Inventor: LI D; SHI Y; YANG Q

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
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| CN 1250746 | A | 20000419 | CN 98120384 | A | 19981013 | 200036 B |

Priority Applications (No Type Date): CN 98120384 A 19981013

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|-------------|--------------|
| CN 1250746 | A | | C01F-007/02 | |

Abstract (Basic): CN 1250746 A

Preparation of quasi-thin empholite includes contacting sodium meta-aluminate or sodium aluminate solution with gas containing carbon dioxide, forming gel by intermittent or continuous method, aging the

resulting aluminium hydroxide, separating out the solid product, washing and drying. For the terminal pH value and the process pH value during forming the gel, it is controlled within the range of 6-9.5; the time for forming gel reaction or that for staying below 40 min, the temp. for forming gel reaction is 10-100 deg.C, and after the forming gel reaction is finished, the alkaline material is quickly added to make pH value raise to above 9.5 or solid-liquid separating and washing is quickly implemented.

Derwent Class: E33

International Patent Class (Main): C01F-007/02

International Patent Class (Additional): C01F-007/14

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